### **PCT**

### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Ann	licant	e or 20	cont's file reference							
Applicant's or agent's file reference p02002			gent's me relerence	FOR FURTHER	FOR FURTHER ACTION  See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)					
I .	International application No. PCT/NO03/00011			International filing da 15.01.2003	te (day/mon	'h/year)	Priority date (day/month/year) 16.01.2002			
	rnation IB33		tent Classification (IPC) or t	ooth national classification	on and IPC					
	icant RSK	HYD	RO ASA et al.				·			
1.	This Aut	s inter hority	national preliminary exa and is transmitted to the	mination report has be applicant according	een prepar to Article 3	ed by this Ir S.	nternational Preliminary Examining			
2.	<ol> <li>This REPORT consists of a total of 4 sheets, including this cover sheet.</li> </ol>									
			s report is also accompain n amended and are the Rule 70.16 and Section				otion, claims and/or drawings which have rectifications made before this Authority or the PCT)			
	The		nexes consist of a total o							
3.	This	repoi	rt contains indications re	lating to the following	items <sup>.</sup>					
	1	$\boxtimes$	Basis of the opinion	3 · · · · · · · · · · · · · · · · · · ·						
	11		Priority							
	111		•	ninion with regard to	novolty in	ontivo et	and industrial applicability			
	IV		Lack of unity of invention		noveny, in	rentive step	and industrial applicability			
V  Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applic citations and explanations supporting such statement					nventive step or industrial applicability;					
	VI		Certain documents cite							
	VII		Certain defects in the ir	nternational applicatio	n					
	VIII		Certain observations or	n the international app	olication					
Date o	Date of submission of the demand				Date of co	ompletion of t	his report			
03.07	03.07.2003				17.11.2	003				
Name and mailing address of the international				l	Authorize	d Officer				
Dreliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d			S epmu d	Manolad	che, I	Little COUNTY TO THE PARTY OF T				
	Fax: +49 89 2399 - 4465				Telephone	No. +49 89	2399-2065			

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/NO03/00011

I.	. в	asis	of	the	r	eı	p	o	rl	t
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1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	De	escription, Pages						
	1-8	8	as originally filed					
	Cla	aims, Numbers						
	1-5	5	as originally filed					
	Dra	awings, Sheets						
	1./6	i-6 <i>l</i> 6	as originally filed					
2.	Wit lan	With regard to the <b>language</b> , all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.						
	The	ese elements were a	vailable or furnished to this Authority in the following language: , which is:					
	☐ the language of a translation furnished for the purposes of the international search (under Rule 23							
		the language of pul	blication of the international application (under Rule 48.3(b)).					
		the language of a ti Rule 55.2 and/or 55	ranslation furnished for the purposes of international preliminary examination (under 5.3).					
3.	Wit inte	With regard to any <b>nucleotide and/or amino acid sequence</b> disclosed in the international application, the international application, the international preliminary examination was carried out on the basis of the sequence listing:						
		contained in the international application in written form.						
		$\square$ filed together with the international application in computer readable form.						
			ently to this Authority in written form.					
		furnished subseque	ently to this Authority in computer readable form.					
		The statement that in the international a	the subsequently furnished written sequence listing does not go beyond the disclosure application as filed has been furnished.					
		The statement that the listing has been furn	the information recorded in computer readable form is identical to the written sequence ished.					
1.	The	The amendments have resulted in the cancellation of:						
		the description,	pages:					
		the claims,	Nos.:					
		the drawings,	sheets:					

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5. 🗆	This report has been established as if (some of) the amendments had not been made,	since they t	havo
	been considered to go beyond the disclosure as filed (Rule 70.2(c)).	- incompany	lave

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1-5

1. Statement

Novelty (N) Yes: Claims

No: Claims

Inventive step (IS) Yes: Claims 1-5

No: Claims

Industrial applicability (IA) Yes: Claims 1-5

No: Claims

2. Citations and explanations

see separate sheet

# INTERNATIONAL PRELIMINARY International application No. PCT/NO03/00011 EXAMINATION REPORT - SEPARATE SHEET

#### V - Reasoned statement under Art. 35 (2).

- V1 Due to linguistic deficiencies the wording of claim 1 is not clear and the claim does not meet the requirements of Art. 6 PCT. Under the same article are to be considered some of the remaining dependant claims, as well as part of the disclosure.
- As far as claim 1 can be understood, the wording of said claim has been interpreted as follows:

  "Riser control device, particularly designed to be used in connection with spools or horizontal production trees (12) used in oil and gas installations in subsea locations, characterised in that within a housing (1, 2) are provided a pair of rams (6) radially movable in opposed direction for isolating the well and a pair of shear blades (7) radially movable in opposed direction for cutting off an intervention string or the like, the rams (6) and the blades (7) being simultaneously driven by means of a vertical actuator (8, 9, 23) contained within the housing (1, 2)."
- V3 Interpreting the claim with respect to Point V2, following are pointed out:
  Document D1: US-A-1 839 394 discloses a device able to isolate the annular between a working string and a surrounding housing by the means of hydraulically actuated rams. It could be therefore considered that these features are to be identified in claim 1 as the sealing means
  Document D2: US-A 6 244 336 discloses a double shearing rams system designed for use in a standard ram-type blowout preventer. The features of this device could be identified as the corresponding features of claim 1 able to clear out the well by shearing the string contained in the annular, preceding the operation of sealing.
- V4 As the purpose of the invention is to isolate the entire well at the level of a subseea location, regardless if a working string is present or not, the combination of the features of D1 and D2, even ignoring the different way in which each of the system is actuated, still can not suggest the features shear blades and rams, simultaneously driven by the means of an vertical actuator.
  It requires therefore inventive consideration to arrive at the claimed solution.
  Consequently, the subject-matter of claim 1 is new and inventive as set out in Art.33 (2) and (3) PCT.